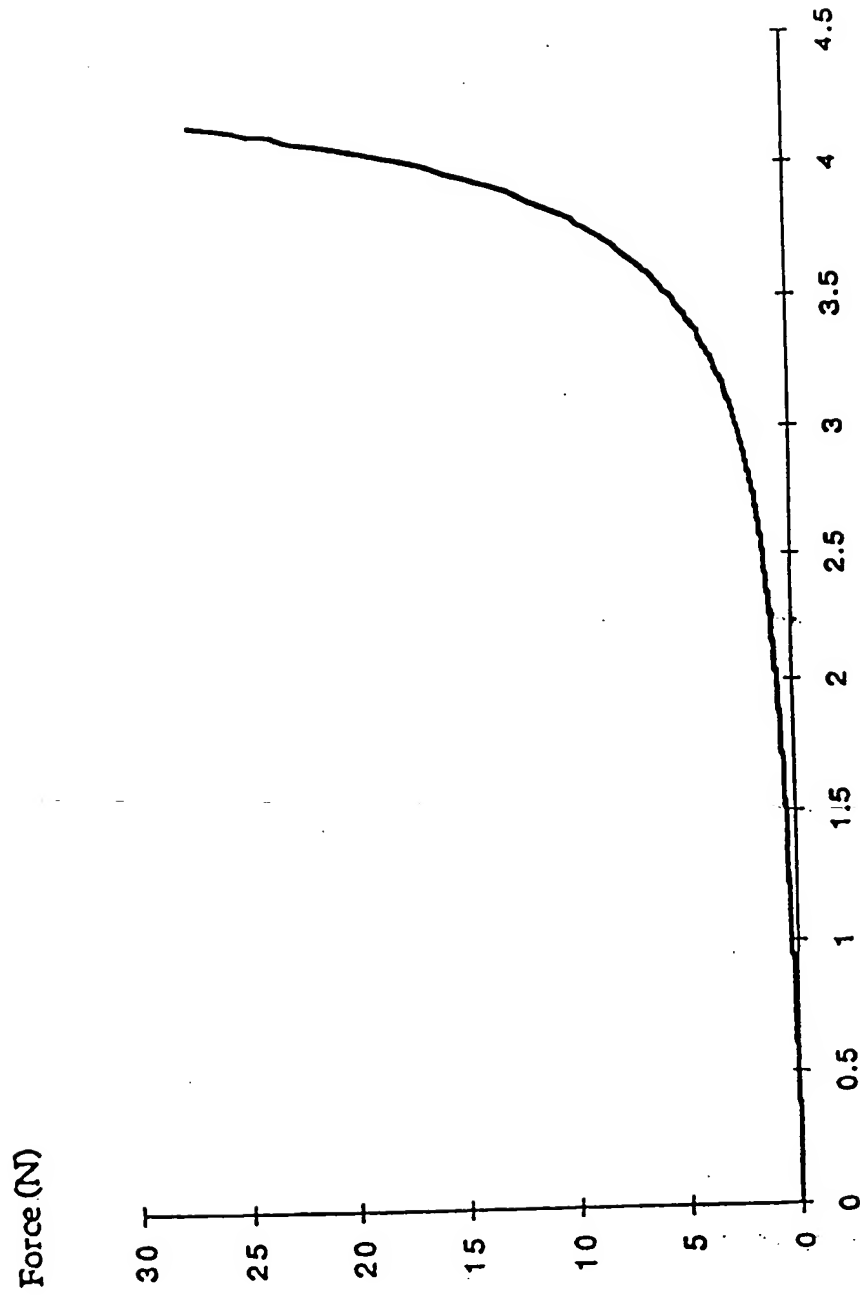


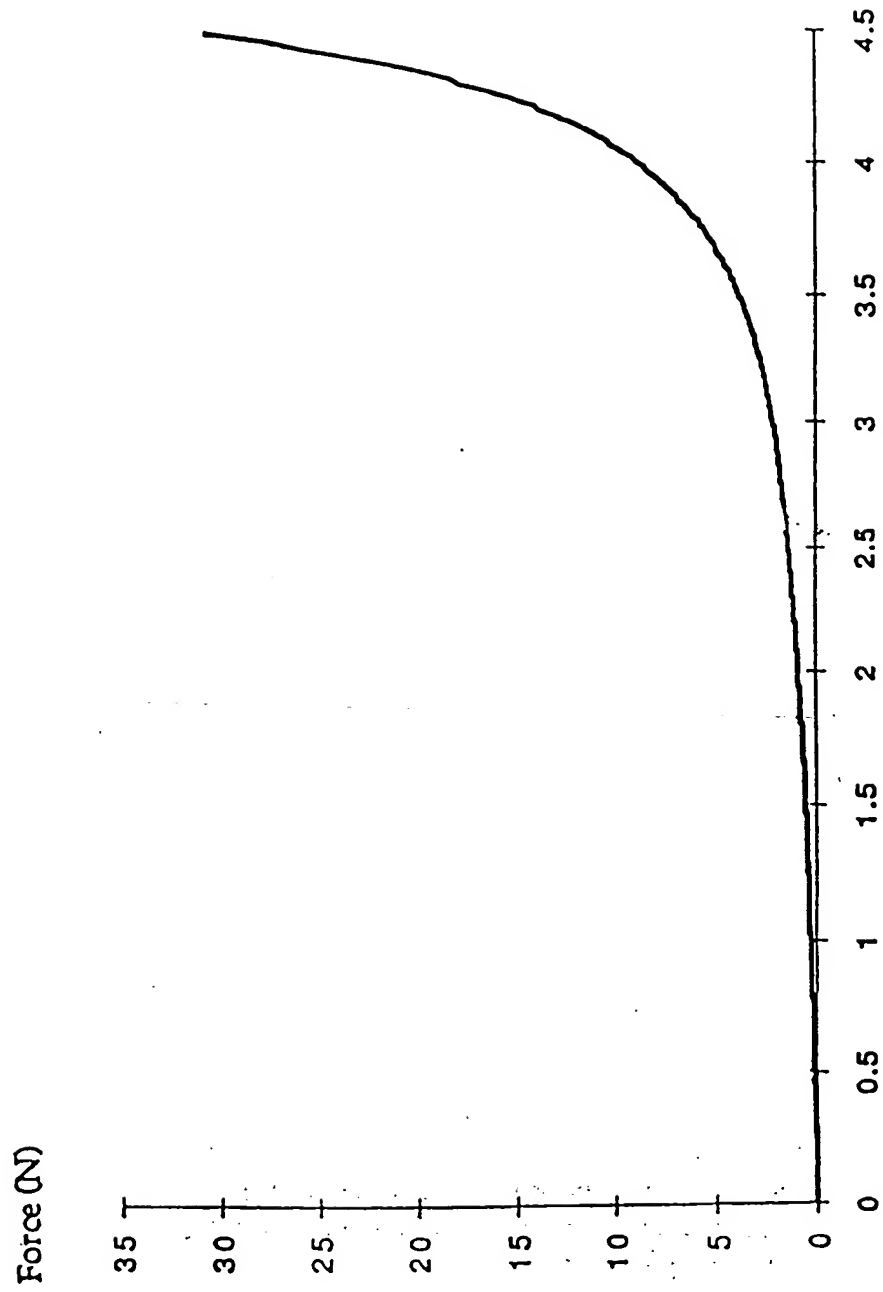
Compression of 5 mm disk (5 mm diameter) at 2 mm/min



Displacement (mm)

Fig. 1

Compression of 5 mm disk (5 mm diameter) at 2 mm/min



Displacement (mm)

Fig. 2

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Diamine

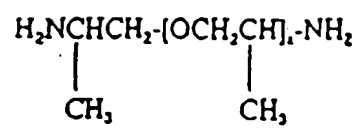


Fig. 3a

Triamine

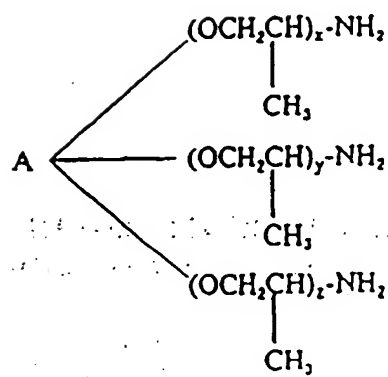


Fig. 3b

SG-PEG: Tetrafunctionally Activated PEG Succinimidyl Glutarate

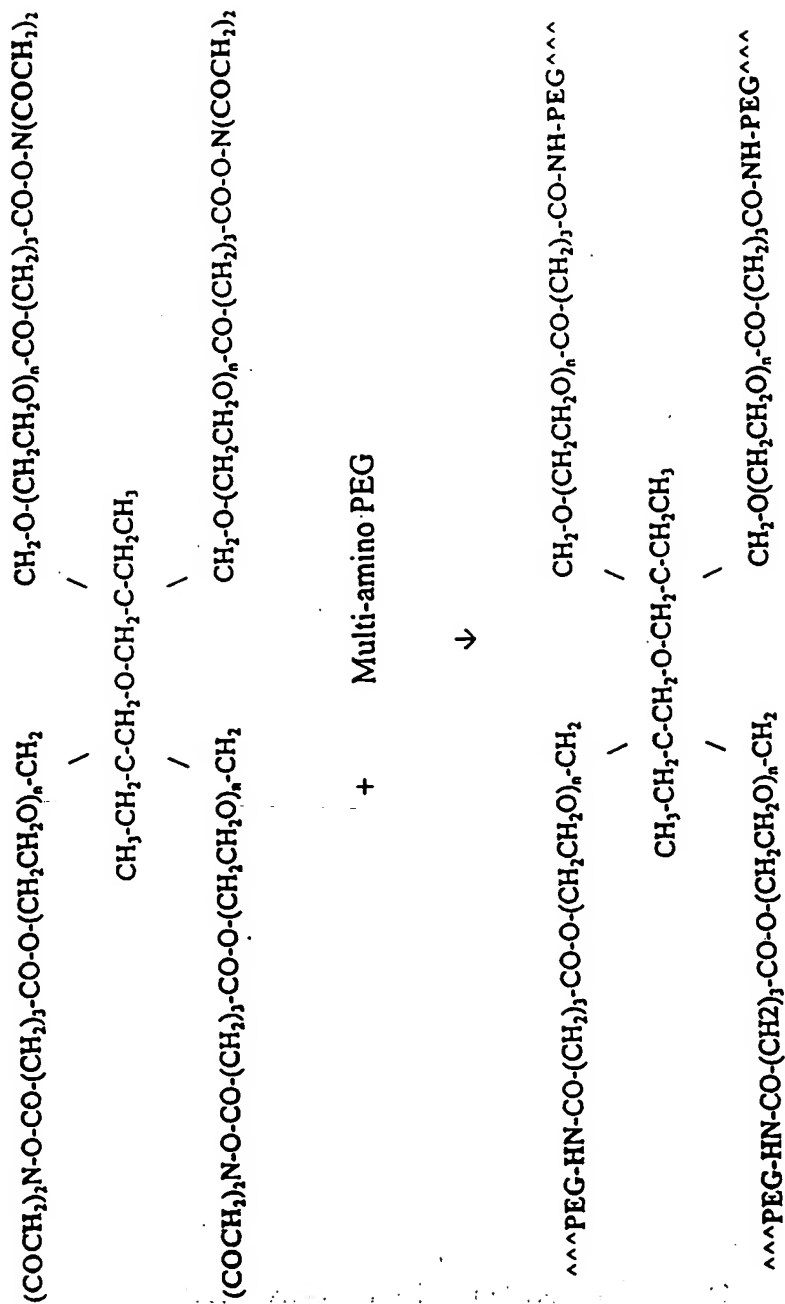


Fig. 4

SE-PEG, m=3: Tetrafunctionally Activated PEG Succinimidyl Butylate (Ether Linkage)

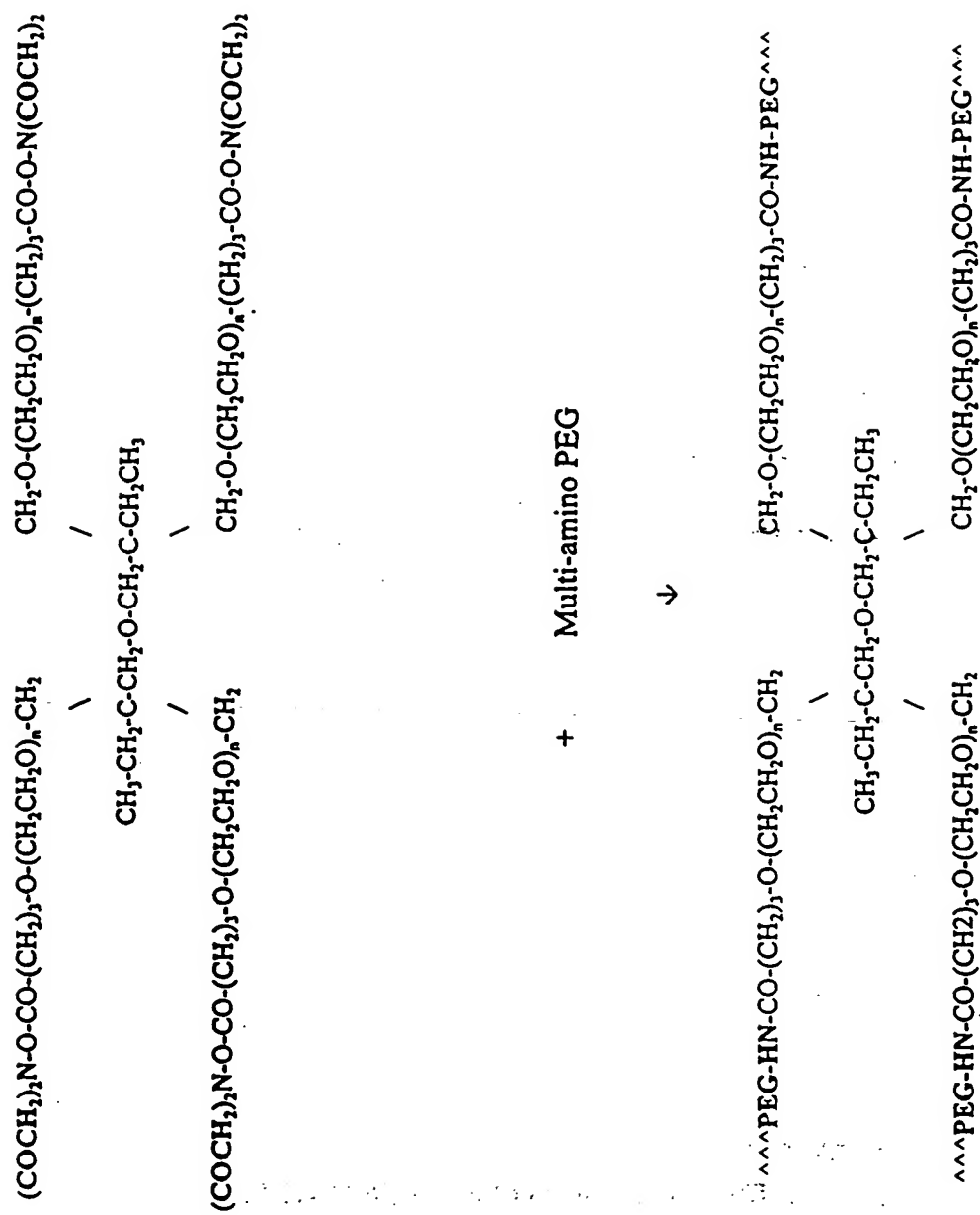


Fig. 5

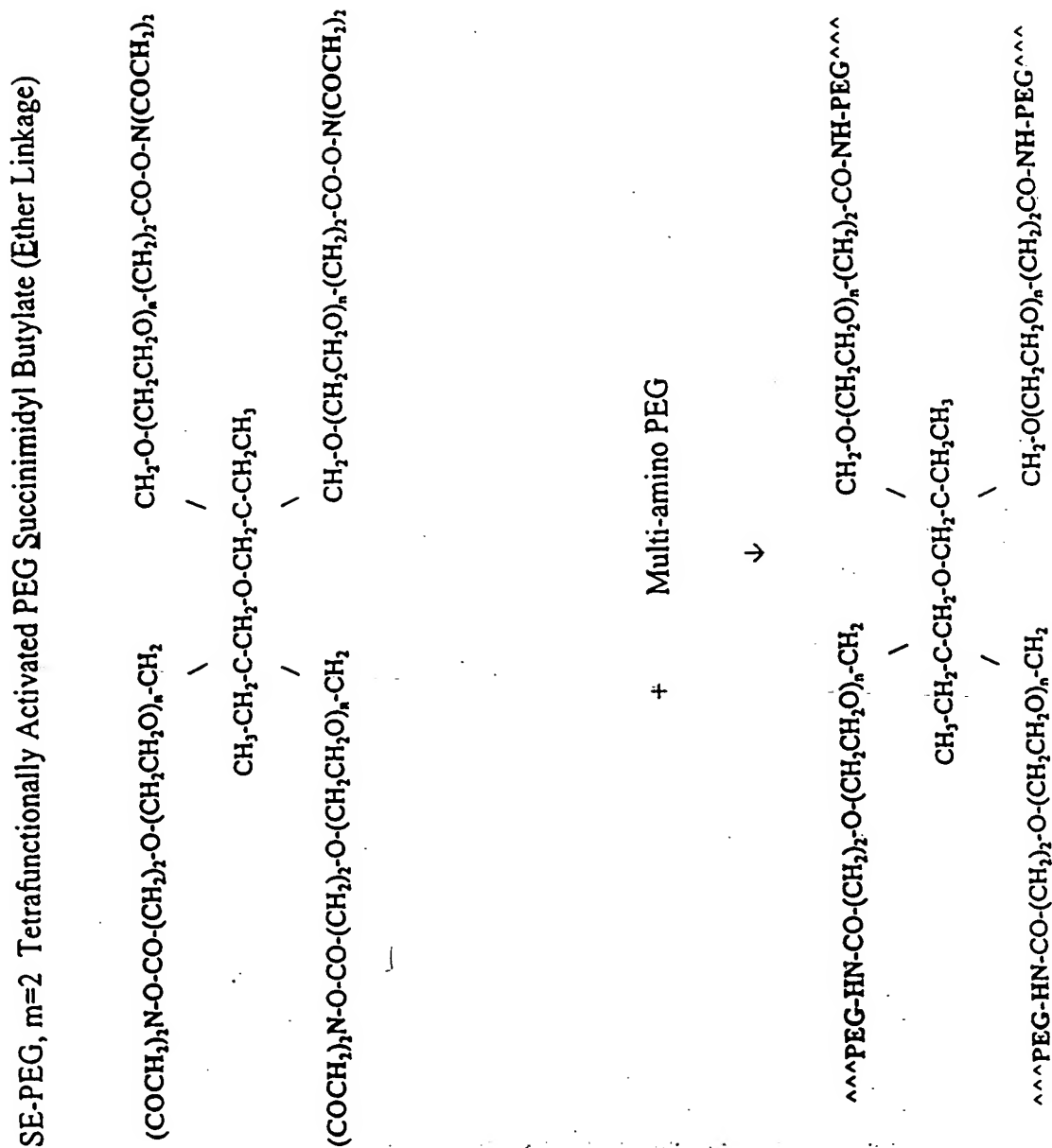


Fig. 6

SE-PEG, m=1 Tetrafunctionally Activated PEG Succinimidyl Acetate (Ether Linkage)

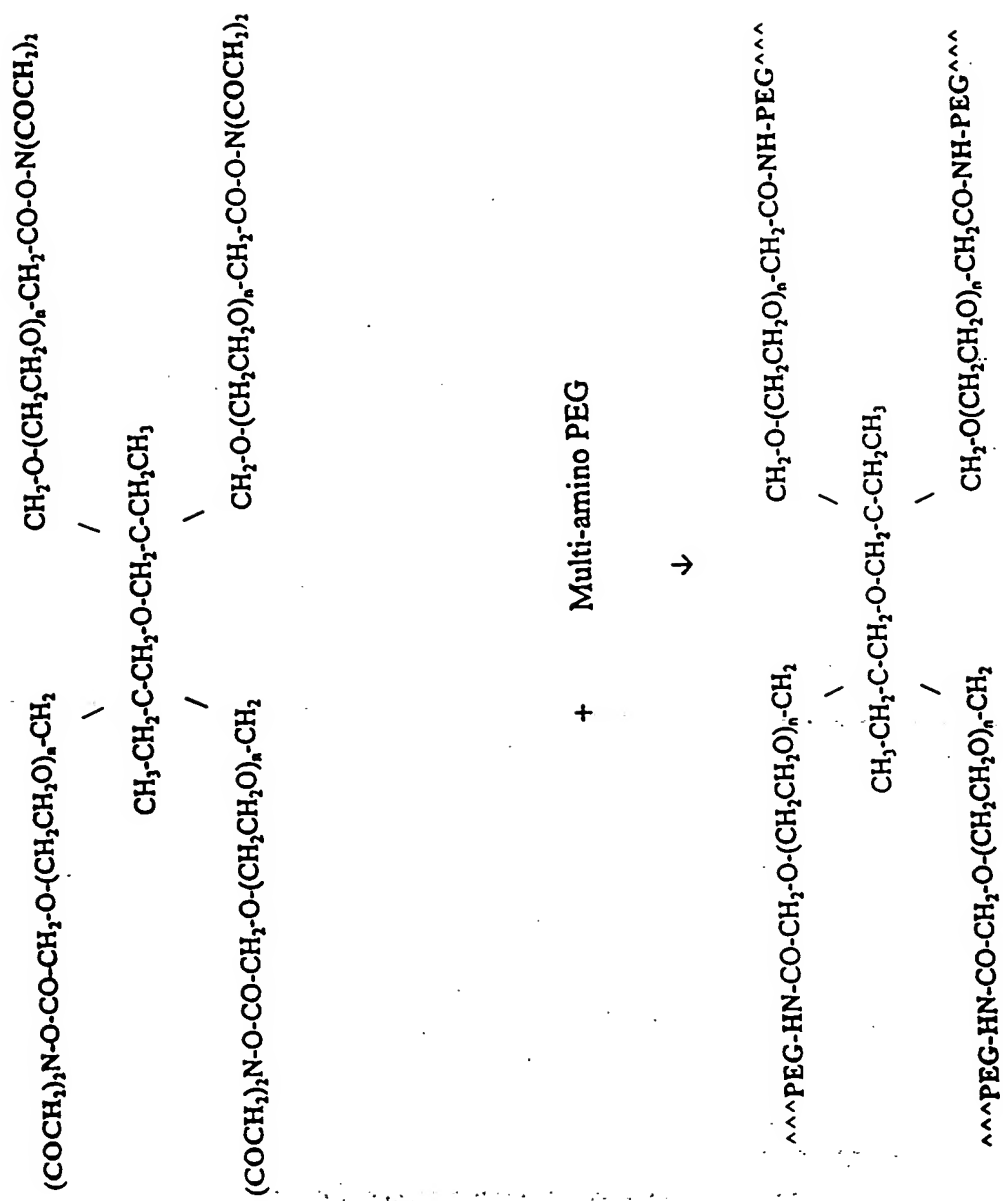


Fig. 7

SSA-PEG, m=2: Tetrafunctionally Activated PEG Succinimidyl Succinamide

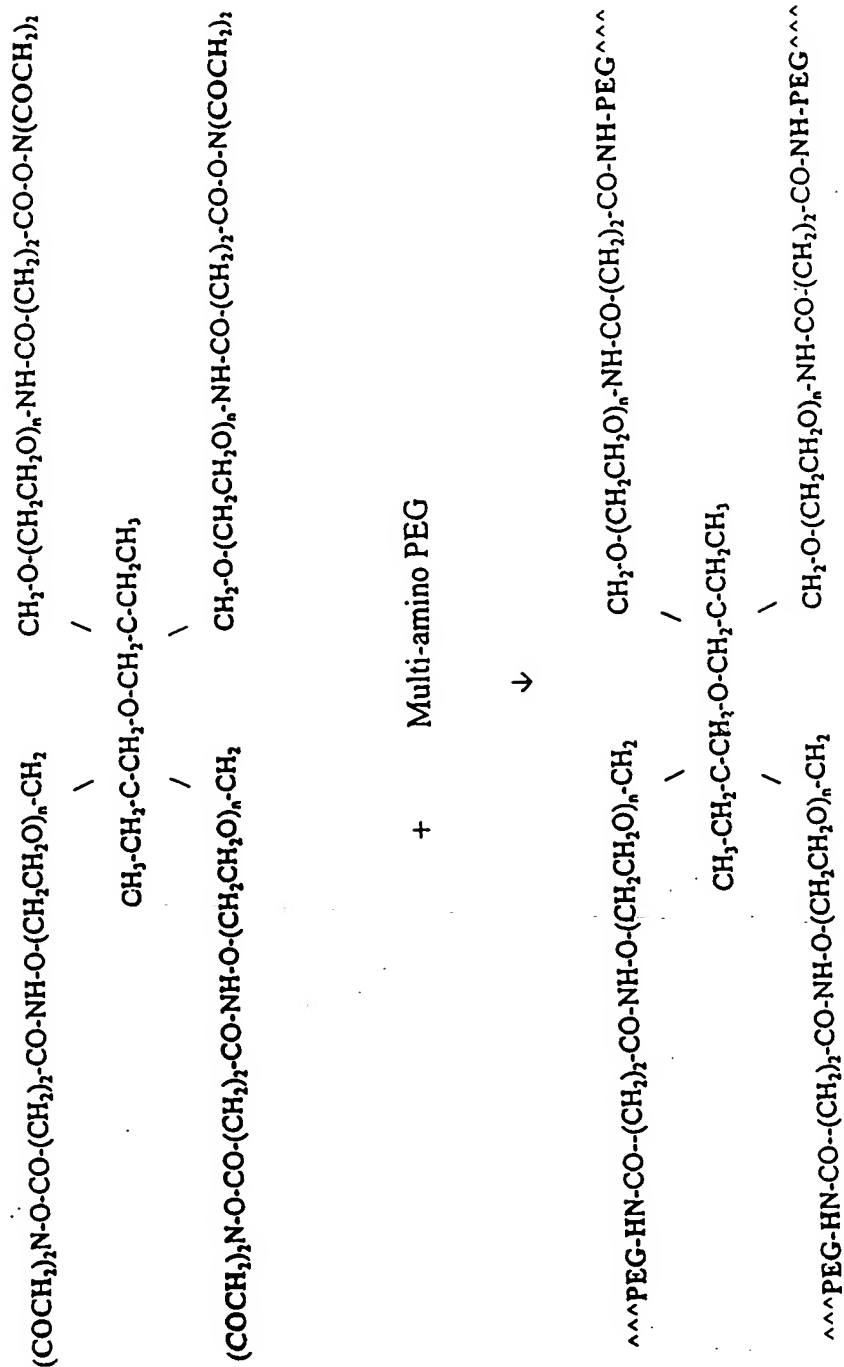


Fig. 8

SC-PEG, m=0: Tetrafunctionally Activated PEG Succinimidyl Carbonate

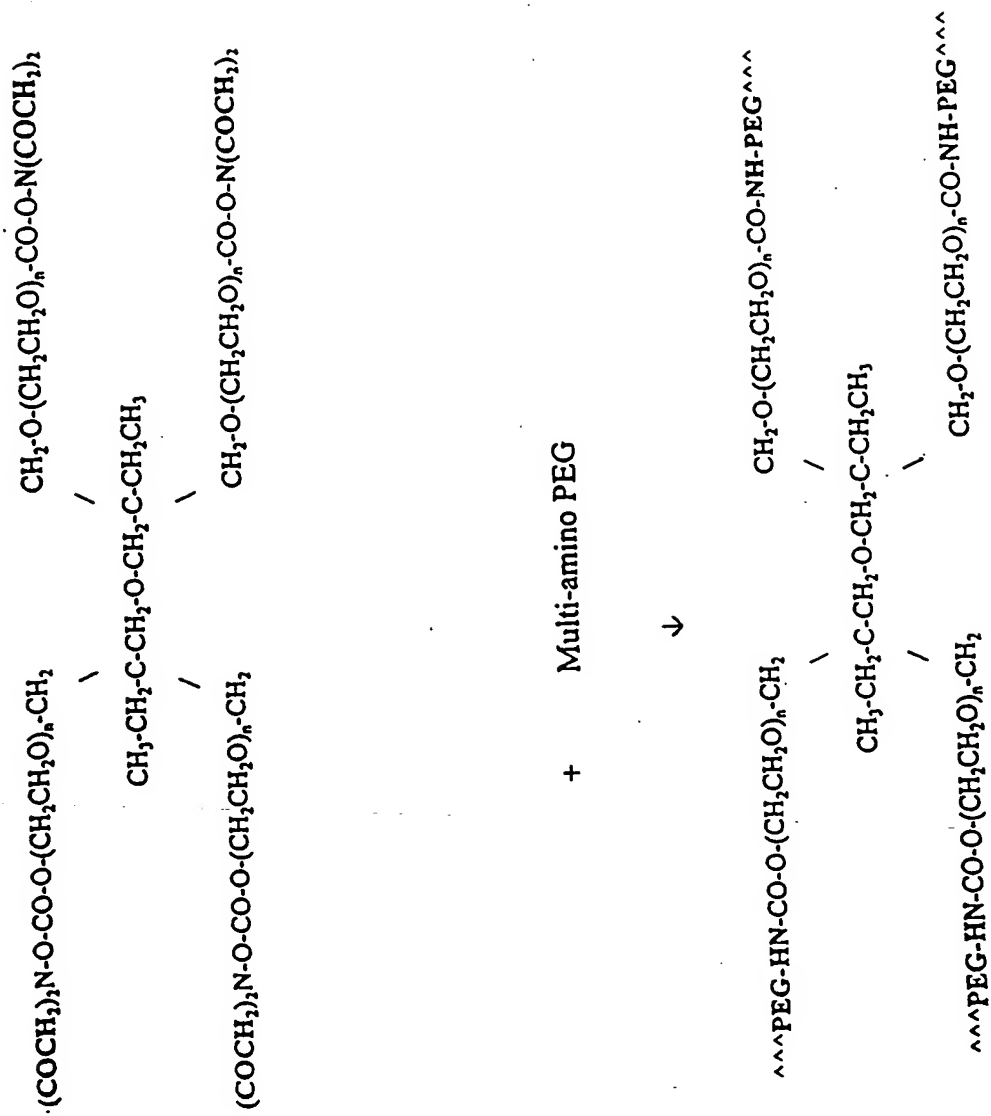
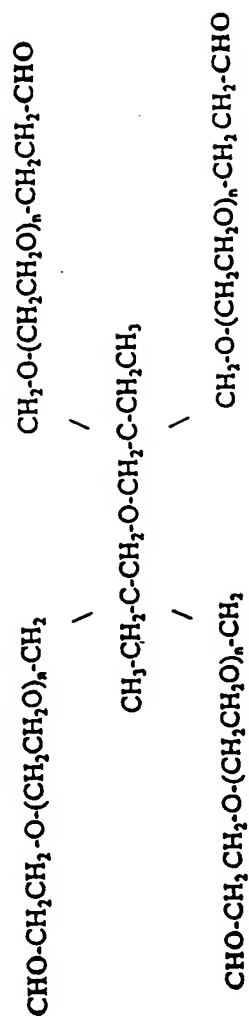


Fig. 9

A-PEG: Tetrafunctionally Activated PEG Propion Aldehyde



+ Multi-amino PEG

↓

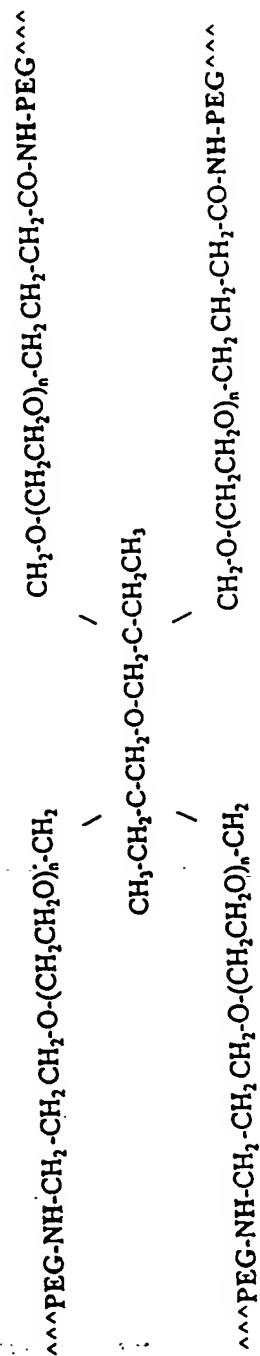


Fig. 10

E-PEG: Tetrafunctionally Activated PEG Glycidyl Ether

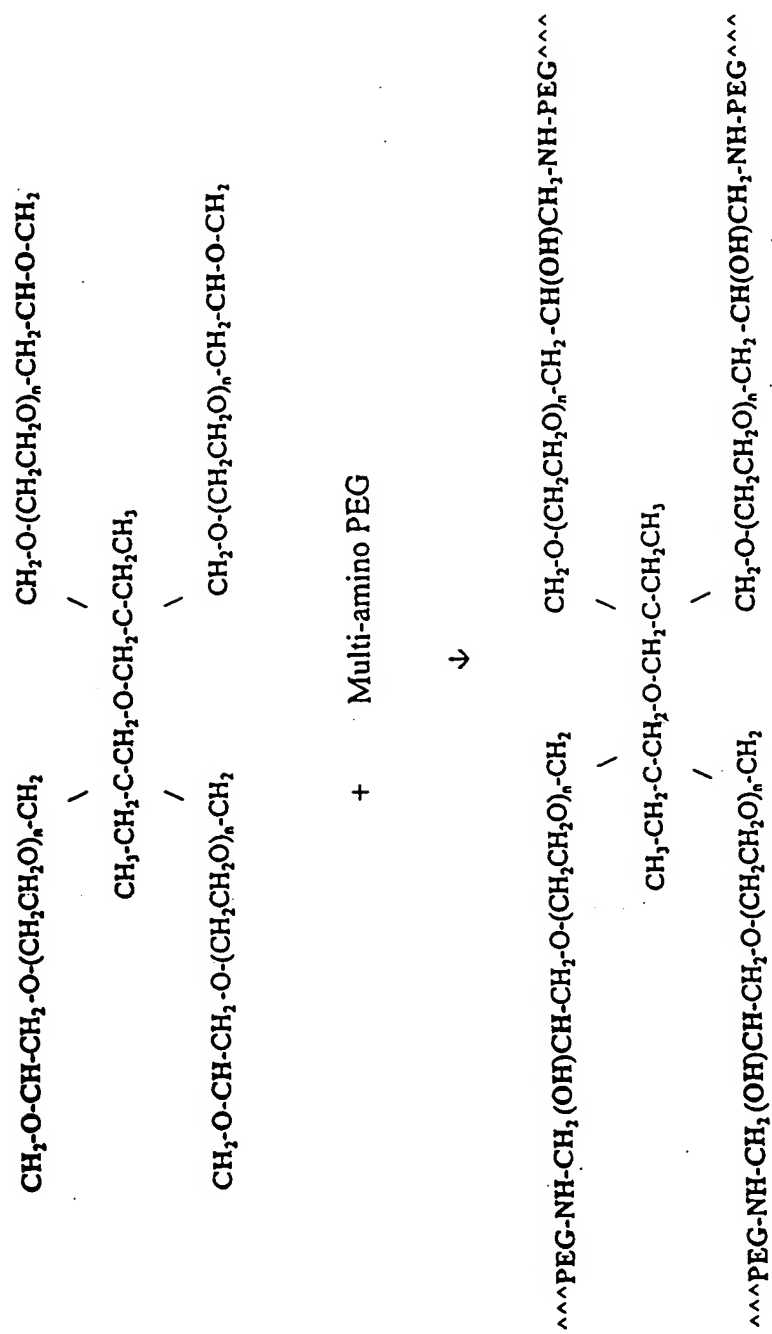


Fig. 11

I-PEG: Tetrafunctionally Activated PEG Isocyanate

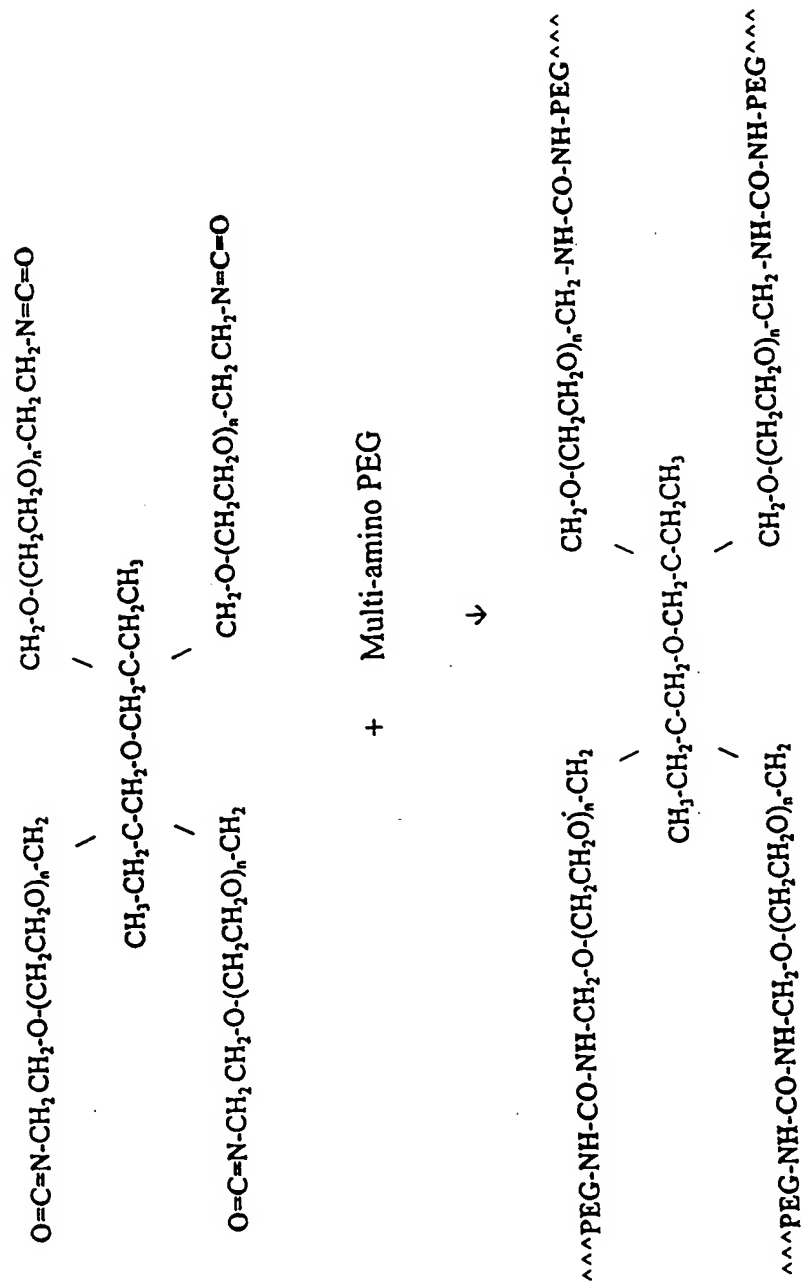


Fig. 12

V-PEG: Tetrafunctionally Activated PEG Vinylsulfone

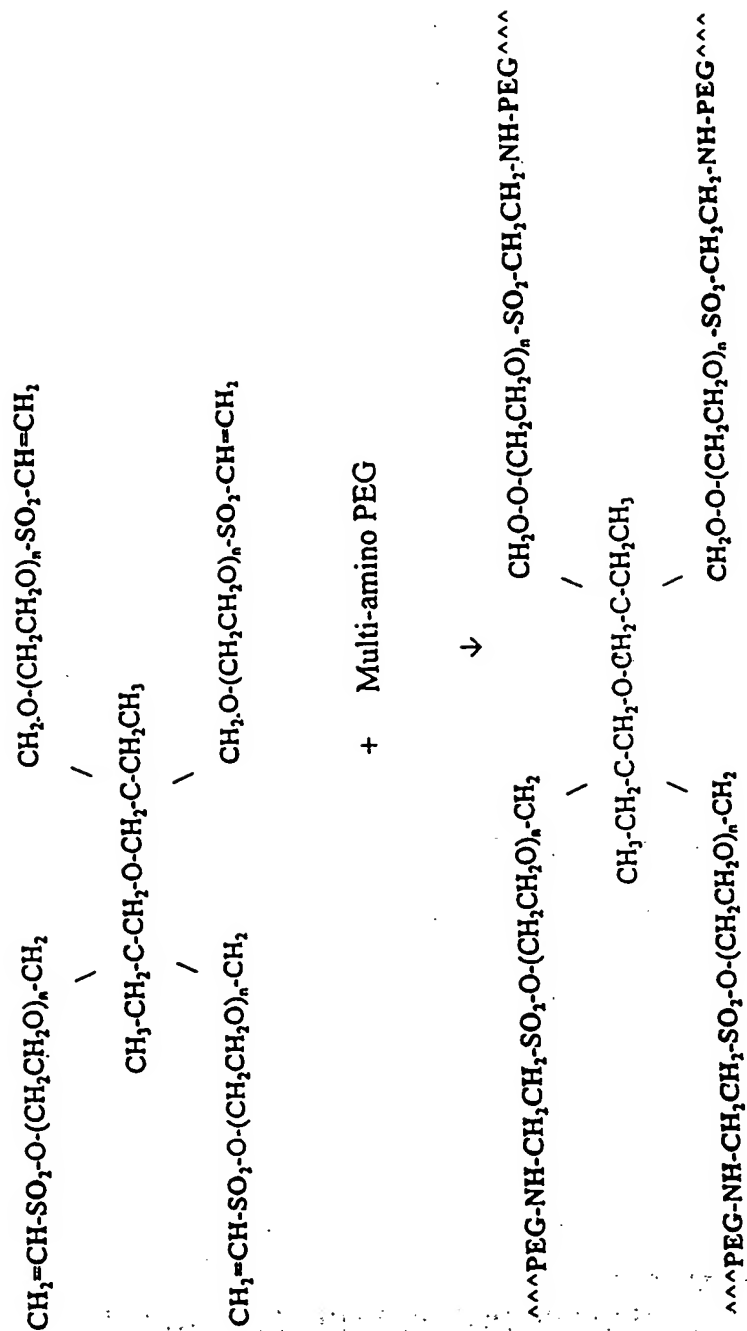


Fig. 13

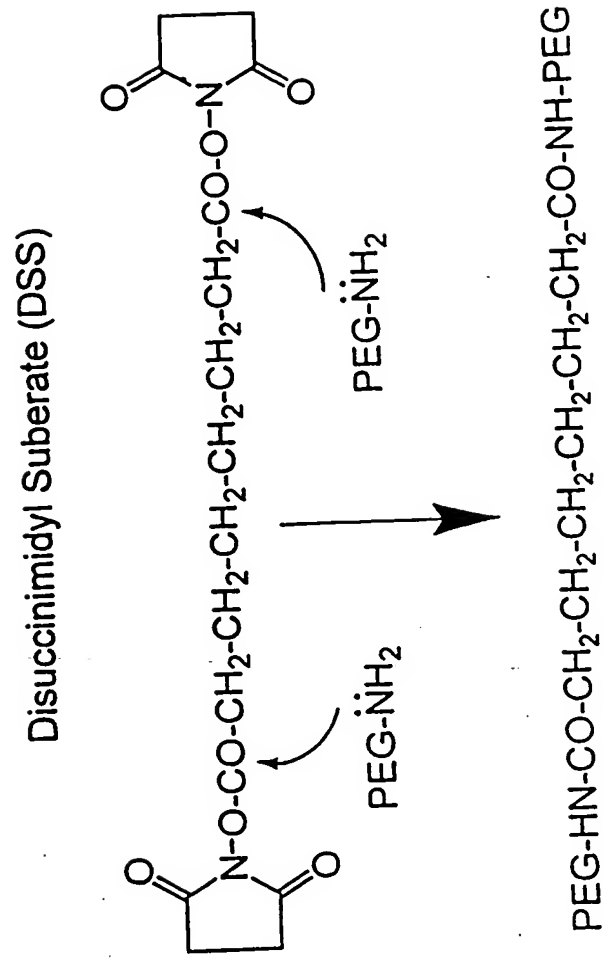


Fig. 14

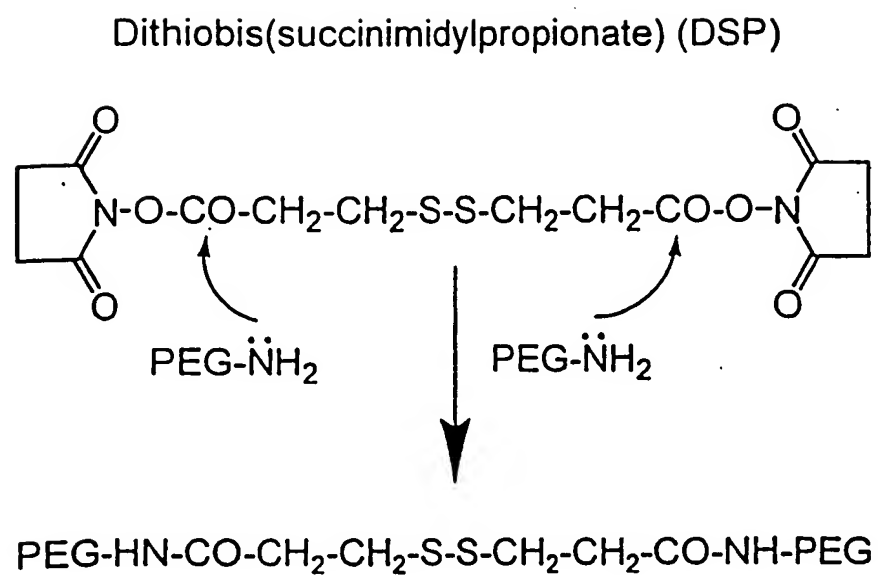


Fig. 15

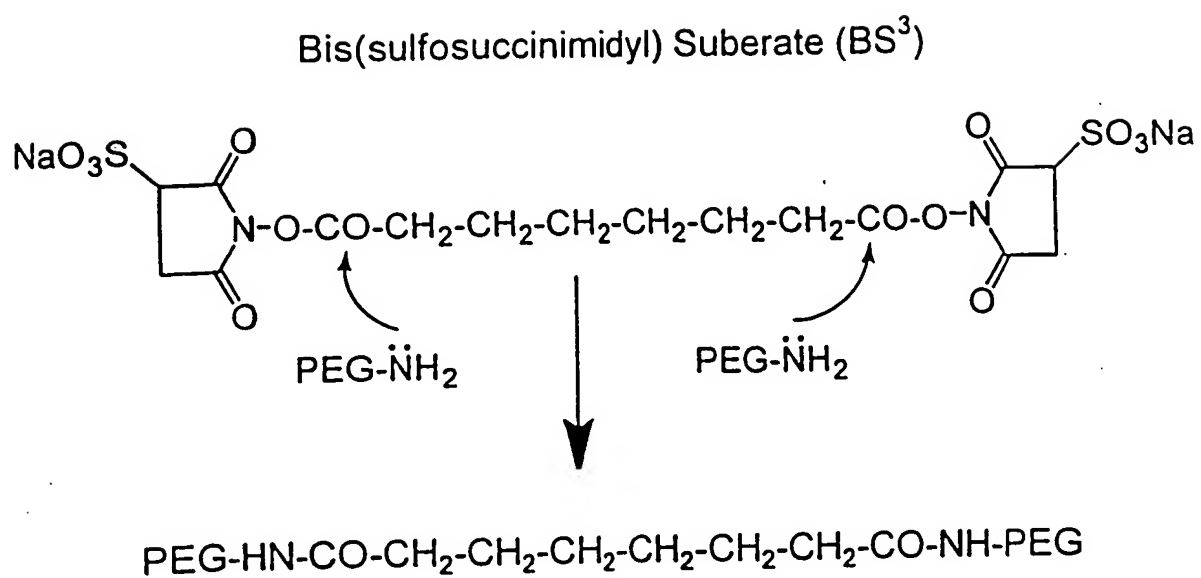


Fig. 16

Bis(2-succinimidooxycarbonyloxy)ethyl Sulfone (BSOCOES)

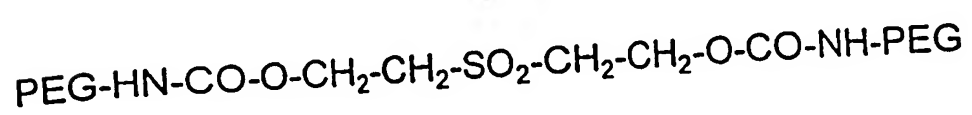
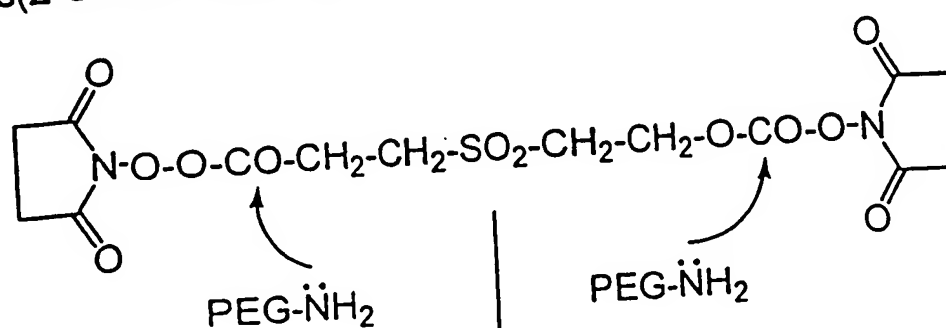


Fig. 17

3,3'-Dithiobis(sulfosuccinimidyl-propionate) (DTSSP)

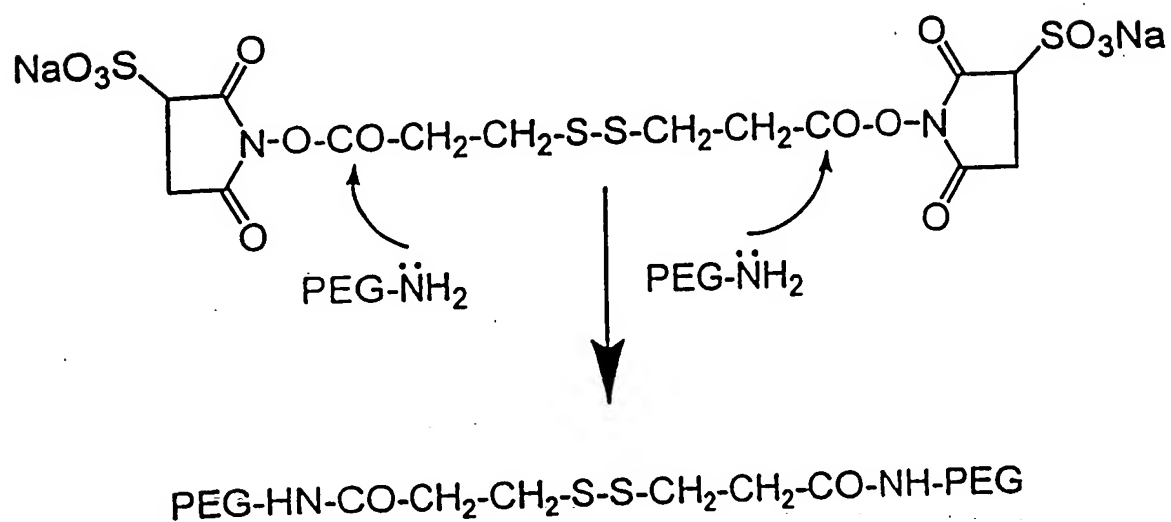


Fig. 18